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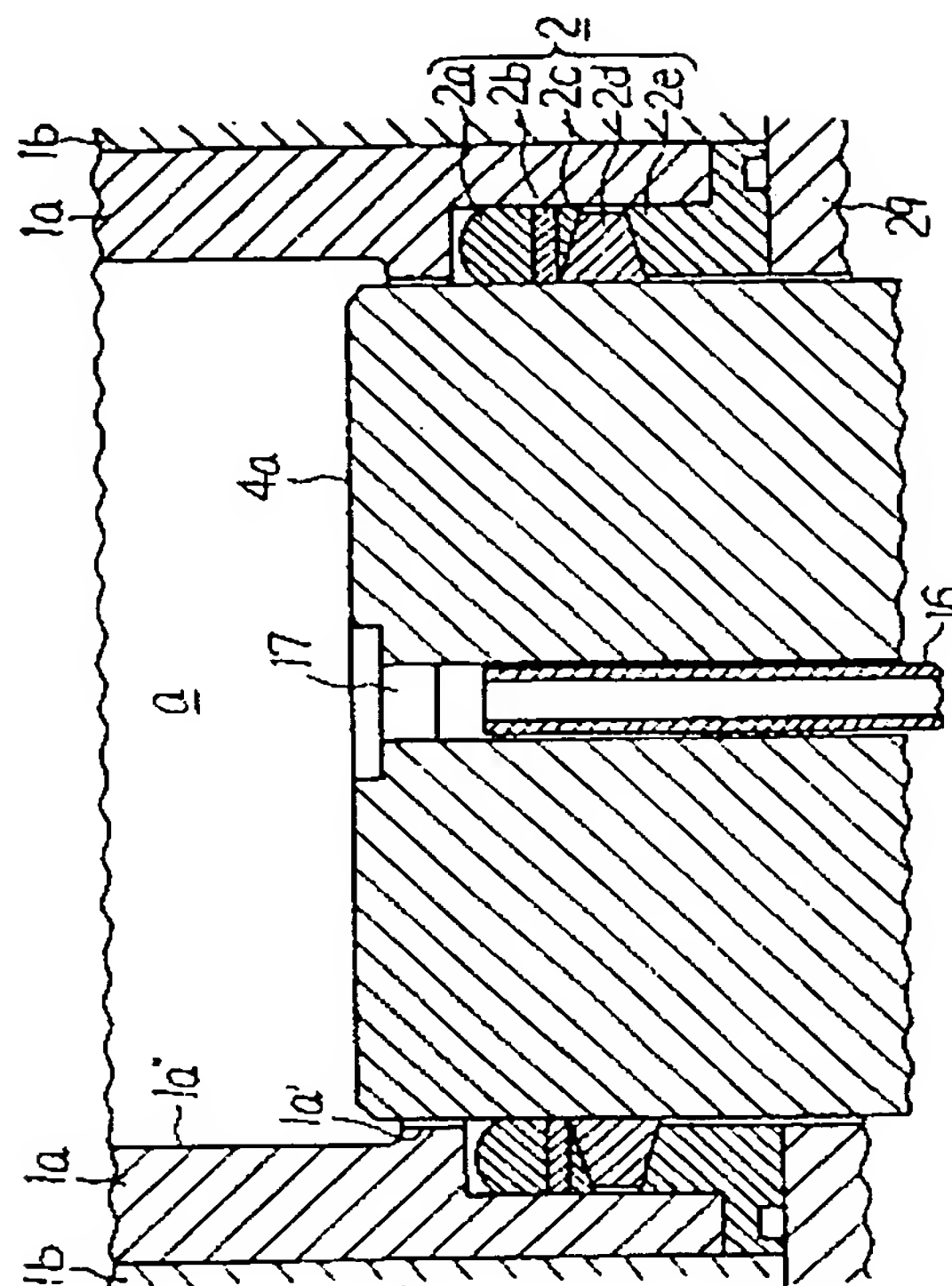
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APPLICATION NUMBER : 61142775

APPLICANT : MITSUBISHI HEAVY IND LTD;

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TITLE : EXTRA-HIGH PRESSURE TYPE
HYDROSTATIC PRESSURE DEVICE



ABSTRACT : PURPOSE: To increase a sealing performance and improve the extrahigh pressurizing performance of the inside of a pressure chamber by arranging a sealing unit on the inner face of the lower end part of a cylindrical body and sliding between the sealing unit and a small diameter piston.

CONSTITUTION: The sealing unit 2 at the ascending time of a small diameter piston 4a is flatly pressed at its seal ring 2a by the inner pressure of the press medium of the inside of a pressure chamber (a) and the upper part backup ring 2b is pressed to the lower part. The intermediate backup ring 2c is pressed to the inner cylinder 1a and the lower part backup ring 2d to the small diameter piston 4a respectively with the adequate bearing respectively and those are slid with the upper part outer peripheral face of the small diameter piston 4a together with the seal ring 2a. In this way, the breakdown and wear of the lower end part inner face of the cylindrical body of comparatively soft material are prevented and the sealing performance is increased.

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